



What is claimed is:

1. An apparatus for holding a spectacle lens, comprising:

an elongate bridge defining a bridge-side hole at each end, said elongate bridge having a first projection at each end, each said first projection being adapted for insertion in a blind hole in the edge surface of said spectacle lens; and

a support line inserted in a groove formed in the edge surface of said spectacle lens and received in at least one said bridge-side hole.

2. An apparatus for holding a spectacle lens, comprising:

an elongate bridge having a first and second end, and defining a bridge-side hole in each of the first and second ends;

a first fixing member attached to said elongate bridge; and

a support line inserted in a groove formed in the edge surface of said spectacle lens and received in at least one said bridge-side hole.

3. The apparatus as claimed in claim 2, further comprising a second fixing member attached to said elongate bridge, wherein said first fixing member is attached to the first end of said elongate bridge, and said second fixing member is attached to the second end of said elongate bridge.

4. The apparatus of claim 3, wherein said first and second fixing members comprise a first projection, said first projection being adapted for insertion in a blind hole in the edge surface of said spectacle lens.

5. The apparatus of claim 3, wherein said first and second fixing members further comprise a groove plate, each said groove plate being adapted for insertion in the groove formed in the edge surface of said spectacle lens.

6. The apparatus as claimed in claim 4, further comprising first and second contact plates, each said contact plate defining hole adapted for receiving said support line, each said contact plate having a second projection adapted for insertion in a blind hole in the edge surface of each said spectacle lens.

7. The apparatus as claimed in claim 6, further comprising groove plates attached to the first and second ends of said elongate bridge, each said groove plate being adapted for insertion in the groove formed in the edge surface of said spectacle lens.

8. The apparatus as claimed in claim 7, further comprising groove plates attached to said one side of said first and second contact plates, each said groove plate being adapted for insertion in the groove formed in the edge surface of said spectacle lens.

9. A spectacle apparatus, comprising:

a first and second lens each having an edge surface, each said lens defining a groove in said edge surface;

an elongate bridge defining a bridge-side hole at each end, said elongate bridge having a first projection at each end, each said first projection being adapted for insertion in a blind hole in the edge surface of one of said lenses;

a first and second contact plate, each said contact plate defining an arm-side hole adapted for receiving a support line, each said contact plate having a second projection

at one side, each said second projection being adapted for insertion in a blind hole in the edge surface of one of said lenses; and

a support line inserted in said groove of at least one said spectacle lens and received in at least one said bridge-side hole and at least one said arm-side hole.

10. The apparatus as claimed in claim 9, further comprising groove plates attached to each end of said elongate bridge, each said groove plate being adapted for insertion in the groove formed in the edge surface of said spectacle lens.

11. The apparatus as claimed in claim 10, further comprising groove plates attached to said first and second contact plates, each said groove plate being adapted for insertion in the groove formed in the edge surface of said spectacle lens.

12. The apparatus as claimed in claim 9, wherein said support line is fixed in at least one of said bridge-side holes.

13. The apparatus as claimed in claim 9, wherein each said contact plate is integrally formed with an end piece.

14. The apparatus as claimed in claim 9, wherein said support line is a thin flexible metal wire.

15. The apparatus as claimed in claim 9, wherein said support line is comprised of polymer fiber.

16. The apparatus as claimed in claim 9, wherein said support line is a fishing line.

17. The apparatus as claimed in claim 9, wherein said support line is fixed using a knot formed by said support line.

18. The apparatus as claimed in claim 9, wherein said support line is fixed using an interference fit.
19. The apparatus as claimed in claim 9, wherein said support line is fixed using an adhesive.
20. The apparatus as claimed in claim 9, wherein said first projection has a diameter of about 1 mm and a length of about 1 mm.
21. The apparatus as claimed in claim 9, wherein said second projection is a screw.
22. A method for holding a spectacle lens in a spectacle apparatus, said spectacle apparatus including an elongate bridge defining a bridge-side hole at each end, said elongate bridge having a first projection at each end, said method comprising the steps of:
 - inserting said first projection into a blind hole formed in the edge surface of said spectacle lens;
 - inserting a support line in at least one said bridge-side hole; and
 - inserting said support line in a groove formed in the edge surface of said spectacle lens.
23. The method of as claimed in claim 22, wherein said spectacle apparatus includes groove plates attached to each end of said elongate bridge, said method further comprising the step of:

inserting said groove plate in the groove formed in the edge surface of said spectacle lens.

24. The method as claimed in claim 22, said spectacle apparatus further including a contact plate defining an arm-side hole and having a second projection attached to one side, said method further comprising the step of:

inserting said support line in said arm-side hole.

25. The method as claimed in claim 24, wherein said spectacle apparatus further includes a groove plate attached to the contact plate, said method further comprising the step of:

inserting said groove plate in the groove formed in the edge surface of said spectacle lens.

26. The method as claimed in claim 22, further comprising the step of fixing said support line in at least one said bridge-side hole.

27. The method as claimed in claim 22, further comprising the step of fixing said support line in said arm-side hole.